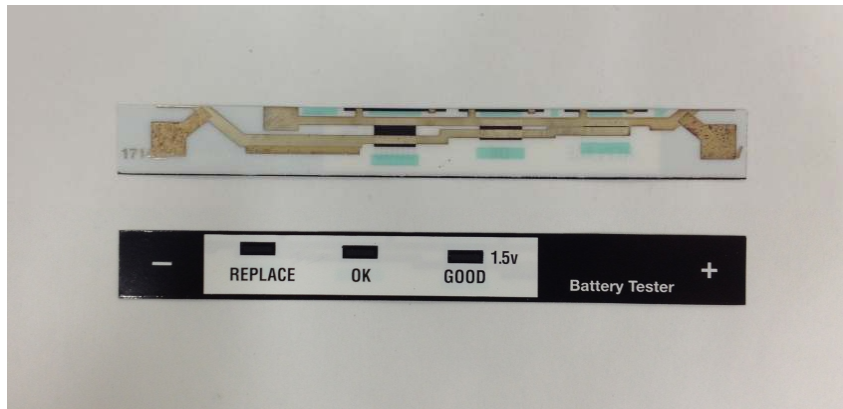


## Conductive and Thermochromic Ink Combined to Create a Printed Circuit Battery Tester

Cyber Power Systems produce a battery backup unit for Verizon FIOS home equipment that uses standard D – cell batteries. These batteries needed to be tested at the point of use and Cyber Power challenged LCR Hallcrest to supply a low cost accurate battery tester that is reliable and easy to use.

- **Requirement:** Low cost, accuracy, simplicity and ease of use summarize the design parameters specified by Cyber Power systems for testing common D- Cell batteries.
- **Solution A** combination of thermochromic and conductive inks were used to create an electrical circuit and thermochromic display that measured and displayed voltage. The circuit and display are printed on a thin flexible strip that is robust, reliable, low cost and always ready to use.
- **Product Details**
  - 3 Event tester for 1.5 Volt Batteries
  - Indicates: REPLACE, OK, GOOD Battery Status
  - Size: 4.5" x 0.5"
  - Supplied on kiss-cut columns
  - Colors: Black and White
- **Benefits**
  - Inexpensive
  - Un-obtrusive
  - Convenient
  - Accurate and easy to read



For Further Information contact [vinnie@hallcrest.com](mailto:vinnie@hallcrest.com) or visit [www.hallcrest.com](http://www.hallcrest.com) and let us show you what we can do!

AN1406 Rev 00

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LCR is a results driven 13485 ISO manufacturer of color and chemical changing temperature measurement labels, indicators and graphics with in- house design, development and manufacturing capability that offers solutions for unique temperature identification problems.